

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Chicago**

Site Summary Level: **Chicago Operations Office**

Project **CH-CHOOPUAB / Princeton Site A/B Payments**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0032**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

Definition of Scope: As a potentially responsible party (PRP), DOE has agreed to make payments to partially support the activities related to the investigation, characterization, and remediation of soil and groundwater contamination of Sites A/B.

Technical Approach: The approach is to perform a risk-based characterization to arrive at a ROD which may include a containment/treatment system.

Project Status in FY 2006:

Containment/Treatment system is projected to be in place; it is anticipated that responsibility for making payments will be transferred from the Chicago Operations Office after FY 2003.

Post-2006 Project Scope:

It is currently anticipated that the project will continue through 2016.

Project End State

Contamination/migration will no longer be significant enough to be a concern to the environment.

Cost Baseline Comments:

Costs are a rough order of magnitude estimate of DOE's share of Princeton University's estimates.

Safety & Health Hazards:

"Activity" in this PBS is payments to Princeton University by DOE as a potentially responsible party (PRP) for VOC contamination of groundwater. Contaminants have been found in the wells located off-site and groundwater flow shows high potential for contaminants to continue to migrate off-site. A current VOC contamination plume exist outside of Site A/B's boundary and Site A/B is suspected as being a contributor to the regional groundwater quality issue in the Princeton, NJ area. The US geological survey found VOC contamination in an off-site production well downgradient of three plums which were identified on site A/B. Contaminants of primary concern are chlorinated solvents including TCE and PCE. Potential receptors include potable and non-potable water supplies less than 1/4 mile downgradient of site boundary.

Safety & Health Work Performance:

N/A

PBS Comments:

DOE has been named a potentially responsible party (PRP) for contributing to VOC contamination of groundwater at Princeton University's Site A/B of the James Forrestal Campus (JFC). A Memorandum of Understanding (MOU) between the University and the State

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Project Description Narratives

Baseline Validation Narrative:

Project is currently being validated. The IG has validated accounting procedures. DOE's portion of costs are reviewed and validated on yearly basis. Further methods of validation, if any, are yet to be determined.

General PBS Information

Project Validated?

Date Validated:

Has Headquarters reviewed and approved project?

No

Date Project was Added: 12/1/1997

Baseline Submission Date: 7/7/1999

FEDPLAN Project? Yes

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	N	N	N	N	N	Y	N	Y

Project Identification Information

DOE Project Manager: Susan Heston

DOE Project Manager Phone Number: 630-252-2381

DOE Project Manager Fax Number: 630-252-2654

DOE Project Manager e-mail address: susan.heston@ch.doe.gov

Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006
PBS Baseline (current year dollars)	5,741	6,718	12,459			153	153	427	644	505	1,051	1,272	548	563	578

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HQ ID: 0032

Project CH-CHOOPUAB / Princeton Site A/B Payments

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS Baseline (constant 1999 dollars)	5,317	5,115	10,432			153	153	427	627	482	982	1,164	491	494	497	
PBS EM Baseline (current year dollars)	4,052	0	4,052			153	153	427	644	505	1,051	1,272	0	0	0	
PBS EM Baseline (constant 1999 dollars)	3,835	0	3,835			153	153	427	627	482	982	1,164	0	0	0	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	594	610	627	644	3,488	755	0	0	0	0	0	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	500	503	506	509	2,592	505	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (constant 1999 dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Non-EM Costs included in the Cost Baseline

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Non-EM Category: Other													
Office of Science								100	100	100	100	100	100
	2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
Non-EM Category: Other													

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Project CH-CHOOPUAB / Princeton Site A/B Payments

	2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
Office of Science	100	100	100	100	100	100	100	100	100	100	100	100	100

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	0.00%	0.00%	2.70%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project: 9/1/1999

Current Projected End Date of Project: 9/30/2003

Explanation of Project Completion Date Difference (if applicable):

Project will continue to be EM funded through FY 2003 rather than FY 1999.

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	2,445	Actual 1997 Cost:	Actual 1998 Cost:	153
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	2,292	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):		62
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	2,354			

Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):		
Cost Reductions Due to Efficiencies (-):		
Cost Associated with New Scope (+):	1,328	Project will continue to be EM funded through FY 2003 rather than FY 1999.

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Project Reconciliation

Cost Growth Associated with Scope Previously Reported (+):

Cost Reductions Due to Science & Technology Efficiencies (-):

Subtotal: 3,682

Additional Amount to Reconcile (+): 0

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): 3,682

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
LT S&M Completion (If applicable)	CH-CH-002		9/30/2014							Y	
Transfer PRP payment function to SC	CH-CH-001		9/30/2003								
Project Start	CH-CH-003		10/1/1996								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
LT S&M Completion (If applicable)	CH-CH-002									Y	
Transfer PRP payment function to SC	CH-CH-001				Y						
Project Start	CH-CH-003			Y							

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